

## EPA Official Record

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**Notes ID:** 4BA1E38464ECF56885257869005490BB

**From:** Dave Dickerson/R1/USEPA/US

**To:** "Rigassio-Smith, Anita" <Anita.Rigassio-Smith@jacobs.com>

**Delivered Date:** 07/26/2010 03:01 PM EDT

**Subject:** RE: Misc.

Anita - this is helpful, thanks.

Why aren't material costs included in the silt curtain cost estimate?

Dave

▼ "Rigassio-Smith, Anita" ---07/26/2010 02:17:14 PM---Dave, 1. The estimate to maintain silt curtains is attached. We generated this

From: "Rigassio-Smith, Anita" <Anita.Rigassio-Smith@jacobs.com>

To: Dave Dickerson/R1/USEPA/US@EPA

Date: 07/26/2010 02:17 PM

Subject: RE: Misc.

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Dave,

1. The estimate to maintain silt curtains is attached. We generated this bottoms-up estimate in response to your comments on the ESD cost estimates. It figures a month of equipment and labor each season for both set up and take-down.

2. Not per-se. The "filling" is not separated from the mechanical dredging because those activities occur together in the estimates (one does not occur without the other). We are using a mob/demob cost of \$60K each when mechanical dredging/filling occurs.

3. The sediment sampling cost we use in the estimates is prorated from the WHG annual cost. The labor associated with other sampling efforts that the Jacobs team performs (air, bathy, WWTP) is included in the fixed costs. For analytical I use a rough number of \$100/sample for Aroclor PCBs only.

Anita

-----Original Message-----

From: dickerson.dave@epamail.epa.gov [mailto:dickerson.dave@epamail.epa.gov]  
Sent: Monday, July 26, 2010 10:18 AM  
To: Rigassio-Smith, Anita  
Subject: Re: Misc.

thanks Anita - glad to hear it. On your comments on the PRP-lead  
LHCC cost estimate:

1. \$1.62 million to maintain a silt curtain for 2 seasons (this would be a high funding rate scenario) seems excessive. Can you help me understand what was assumed for this?
2. Do we have a mob/demob cost JUST for the LHCC filling (one season for LH, one season for UH)
3. What is the cost for sediment sampling and analysis that we assume currently?

Dave

From: "Rigassio-Smith, Anita" <Anita.Rigassio-Smith@jacobs.com>

To: Dave Dickerson/R1/USEPA/US@EPA

Date: 07/26/2010 09:49 AM

Subject: Misc.

Hi Dave,

Update on the cost estimate revisions. I had some time Friday afternoon and made good headway on the revisions. I hope to have the revised version for you this week.

I also took a few minutes to look over the "lhcc.avx.cost.est.doc" estimate.

I have a few comments:

- 1) If the numbers come directly from our ESD Alt 2 estimate, the figure for Item #2, Mechanically dredge 271,589 cy, should be \$13.508, not \$13.58 (might be a typo).
- 2) Item #3, Maintain Silt Curtains, does not include the mob/demob of the mechanical dredge equipment. Item #3 is just for the silt curtains. The mob/demob of mechanical dredge equipment is included in the fixed costs for those years.
- 3) The two-years assumption in Items #3 and #4 holds only for the \$80M funding scenario. In the lower funding scenarios, filling the CAD cell takes more than 2 years.
- 4) The sample frequency for Items #6 and #7 seems low (~ 1 sample for every 12,000 sf), but the sample costs seems high.
- 5) Assumptions for Items #9-#12 seem normal.

Anita

-----Original Message-----

From: dickerson.dave@epamail.epa.gov [mailto:dickerson.dave@epamail.epa.gov]  
Sent: Monday, July 26, 2010 9:14 AM  
To: Rigassio-Smith, Anita  
Subject: RE: quick cell #1 question

OK - thanks Anita

From: "Rigassio-Smith, Anita" <Anita.Rigassio-Smith@jacobs.com>

To: Dave Dickerson/R1/USEPA/US@EPA

Cc: "Fox, Steve \ (New Bedford\)" <Steve.Fox@jacobs.com>, <paul.g.l'heureux@usace.army.mil>, ElaineT Stanley/R1/USEPA/US@EPA, "Gouveia, Mark"

<Mark.Gouveia@jacobs.com>, "Rigassio-Smith, Anita"  
<Anita.Rigassio-Smith@jacobs.com>

Date: 07/23/2010 04:07 PM

Subject: RE: quick cell #1 question

Hi again Dave,

Capping the DDA was ~\$1M, so the rest was emptying Cell #1.

An additional note regarding the 23,000 cy is that we assumed 19,500 tons of PCB-contaminated waste and 15,000 tons of mixed waste. At the time we prepared the estimate (February 2009) we felt that this proportion was accurate. However, if at the time of removal the proportion has changed significantly from this assumption (e.g., if VOCs leached into the PCB-contaminated waste making it a mixed waste) the cost could change.

Anita

-----Original Message-----

From: Rigassio-Smith, Anita  
Sent: Friday, July 23, 2010 3:01 PM  
To: 'dickerson.dave@epamail.epa.gov'  
Cc: Fox, Steve (New Bedford); paul.g.l'heureux@usace.army.mil; stanley.elainet@epamail.epa.gov; Gouveia, Mark  
Subject: RE: quick cell #1 question

Hi Dave,

The volume we estimated for Cell #1 was 23,000 cy.

I'm not sure what you mean by "the two projects"? Are you referring to emptying Cell #1 as one project and emptying the DDA as another?

Anita

-----Original Message-----

From: dickerson.dave@epamail.epa.gov [mailto:dickerson.dave@epamail.epa.gov]  
Sent: Friday, July 23, 2010 2:00 PM  
To: Rigassio-Smith, Anita; Gouveia, Mark

Cc: Fox, Steve (New Bedford); paul.g.l'heureux@usace.army.mil;  
stanley.elainet@epamail.epa.gov  
Subject: quick cell #1 question

Anita and Mark - for our 8/11/10 PRP meeting I'm looking for the estimated volume in cell #1 that would need T&D. I'm hoping you have it readily available as part of the \$16.7m estimate for cell 1 and the DDA. Estimates are fine, doesn't have to be exact. Also, how does this \$16.7m split between the two projects? Something like \$14m/2.7m if memory serves, no?

Thanks - Dave

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[attachment "Install Silt Curtain.pdf" deleted by Dave Dickerson/R1/USEPA/US]